



Tekran model 2537A total mercury vapor analyzer shown with primary calibration unit, zero air source, and programmable 2-port controller (for flux chamber measurements).





Flux chamber measurements were made to assess soil re-emission of deposited mercury on the INEEL in FY01. The Tekran analyzer will replace the gold trap system used here, which will provide an in-house capability to quickly obtain numerous measurements under a range of environmental conditions. The Tekran will also be used for ambient air monitoring of mercury, which will be correlated with wind direction to provide information of the direction of the mercury source.